

# JP 46041033

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1972:406123 CAPLUS Full-text  
 DOCUMENT NUMBER: 77:6123  
 TITLE: Catalysts for preparation of poly(ethylene terephthalate)  
 INVENTOR(S): Kobayashi, Hidehiko; Kawamoto, Hiroshi  
 PATENT ASSIGNEE(S): Asahi Chemical Industry Co., Ltd.  
 SOURCE: Jpn. Tokkyo Koho, 9 pp.  
 CODEN: JAXXAD  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 46041033	B4	19711203	JP	19680315 <--

AB A mixture of Mn borate esters and alkaline earth salts of metaantimonites was an effective catalyst system for both transesterification and condensation. Thus, 436.5 parts di-Me terephthalate, 251.1 parts ethylene glycol, 0.032% (based on transesterified product) of a manganese borate ester  $\text{Mn}[\text{B}(\text{OCH}_2\text{CH}_2\text{OH})(\text{OR})_3]_2$  (R = cyclohexyl) [34975-88-7], and 0.01% magnesium antimonite  $[\text{Mg}(\text{SbO}_2)_2]$  [34975-89-8] were heated at 100-245.deg., heated in 1 hr to 280.deg./13-30 mm under N, and heated at 280.deg./0.1 mm to give poly(ethylene terephthalate) [25038-59-9] with intrinsic viscosity 0.75 dl/g and improved whiteness.